

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) An article of manufacture for use in a computer system for translating a ~~non-Unicode~~ source character string in a first character encoding stored in a memory of the computer system into a Unicode target character string in a second character encoding stored in the memory of the computer system, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said medium which causes the computer system to ~~execute method steps~~ perform operations comprising:

~~retrieving a specification of a code page in which the non-Unicode character string is encoded;~~

maintaining a plurality of specifications, wherein each specification has one of a plurality of scopes, and wherein each specification identifies at least one code page providing a mapping for source character strings in the first character encoding, and the scopes specify different portions of the program to which the code page identified by the specification applies;

processing a source character string for which translation is requested in the program;

determining one specification having one scope that is applicable to the processed source character string;

~~retrieving a specification of one of a plurality of scopes, wherein each scope specifies a different portion of a computer program subject to the translation according to the retrieved specification of the code page; and~~

using the code page identified by the determined specification to translate the processed source character string in the first character encoding into the target character string in the second character encoding the non-Unicode character strings within the portion of the computer program specified by the retrieved scope into the Unicode character strings by applying the retrieved specification of the code page.

2. (Currently Amended) The article of manufacture of claim 1, wherein ~~the scope is global, the~~ a global scope specifying specifies that the translation code page applies to an entirety of the computer program.

3. (Currently Amended) The article of manufacture of claim 1, wherein ~~the scope is local, the~~ a local scope specifies specifying that the translation code page applies to a subsequent portion of the computer program.

4. (Currently Amended) The article of manufacture of claim 1, wherein ~~the scope is constant specific, the~~ a constant specific scope specifying that the translation specifies that the code page applies only to a specific constant.

5. (Currently Amended) A method of translating a ~~non-Unicode~~ source character string in a first character encoding stored in a memory of a computer into a target Unicode character string in a second character encoding stored in the memory of the computer, said method comprising:

retrieving a specification of a code page in which the non-Unicode character string is encoded;

retrieving a specification of one of a plurality of scopes, wherein each scope specifies a different portion of a computer program subject to the translation according to the retrieved specification of the code page; and

maintaining a plurality of specifications, wherein each specification has one of a plurality of scopes, wherein each specification identifies at least one code page providing a mapping for source character strings in the first character encoding and the scopes specify different portions of the program to which the code page applies;

processing a source character string for which translation is requested in the program;

determining one specification having one scope that is applicable to the processed source character string; and

using the code page identified by the determined specification to translate translating the non-Unicode character strings processed source character string in the first character encoding

~~into a target character string in the second character encoding within the portion of the computer program specified by the retrieved scope into the Unicode character string according to the scope by applying the retrieved specification of the code page.~~

6. (Currently Amended) The method of claim 5, wherein ~~the scope is global, the a~~ global scope ~~specifying that the translation specifies that the code page~~ applies to an entirety of the computer program.

7. (Currently Amended) The method of claim 5, wherein ~~the scope is local, the a~~ local scope ~~specifying that the translation specifies that the code page~~ applies to a subsequent portion of the computer program.

8. (Currently Amended) The method of claim 5, wherein ~~the scope is constant specific, the a~~ constant specific scope ~~specifying that the translation specifies that the code page~~ applies only to a specific constant.

9. (Currently Amended) A computer system for translating a non-Unicode source character string ~~in a first character encoding stored in a memory of the computer system~~ into a Unicode target character string ~~in a second character encoding, stored in the memory of the computer system, said computer system comprising:~~

~~a retrievable specification of a code page in which the non-Unicode character string is encoded;~~

~~a retrievable specification of one of a plurality of scopes, wherein each scope specifies a different portion of a computer program subject to the translation according to the retrieved specification of the code page; and~~

a plurality of specifications, wherein each specification has one of a plurality of scopes, wherein each specification identifies at least one code page providing a mapping for source character strings in the first character encoding and the scopes specify different portions of the program to which the code page applies;

a storage medium having code executed by the computer system to perform operations,
the operations comprising:

processing a source character string for which translation is requested in the
program;

determining one specification having one scope that is applicable to the processed
source character string;

using the code page identified by the determined specification to translate the
processed source character string in the first character encoding into a target character
string in the second character encoding a translator for translating the non-Unicode
character strings within the portion of the computer program specified by the retrieved
scope into the Unicode character string by applying the retrieved specification of the code
page.

10. (Currently Amended) The computer system of claim 9, wherein ~~the scope is global,~~ a global scope specifying specifies that the code page that the translation applies to an entirety of the computer program.

11. (Currently Amended) The computer system of claim 9, wherein ~~the scope is local,~~ a local scope specifying specifies that the translation code page applies to a subsequent portion of the computer program.

12. (Currently Amended) The computer system of claim 9, wherein ~~the scope is constant specific,~~ a constant specific scope specifying specifies that the translation code page applies only to a specific constant.

13. (New) The article of manufacture of claim 1, wherein the first character encoding comprises a non-Unicode encoding and wherein the second character encoding comprises Unicode.

14. (New) The article of manufacture of claim 1, wherein a global scope specifies that a code page applies to the entire computer program, wherein a local scope specifies that a code page applies to a subsequent portion of the computer program following a program statement specifying the local scope, and wherein a constant specific scope specifies that a code page applies to a specific constant, wherein the determined specification comprises the specification having the constant specific scope when specifications of a global or local scope and the constant specific scope are applicable to the processed source character string, and wherein the determined specification comprises the specification having the local scope when specifications of a global and local scopes are applicable to the processed source character string.

15. (New) The article of manufacture of claim 1, wherein using the code page identified by the determined specification to translate the processed source character string into the target character string comprises:

using the code page identified by the determined specification to translate the processed source character string into a value;

determining a mapping table associated with the code page identified by the determined specification; and

using the determined mapping table to map the value to the target character string.

16. (New) The method of manufacture of claim 5, wherein the first character encoding comprises a non-Unicode encoding and wherein the second character encoding comprises Unicode.

17. (New) The method of claim 5, wherein a global scope specifies that a code page applies to the entire computer program, wherein a local scope specifies that a code page applies to a subsequent portion of the computer program following a program statement specifying the local scope, and wherein a constant specific scope specifies that a code page applies to a specific constant, wherein the determined specification comprises the specification having the constant specific scope when specifications of a global or local scope and the constant specific scope are applicable to the processed source character string, and wherein the determined specification

comprises the specification having the local scope when specifications of a global and local scopes are applicable to the processed source character string.

18. (New) The method of claim 5, wherein using the code page identified by the determined specification to translate the processed source character string into the target character string comprises:

using the code page identified by the determined specification to translate the processed source character string into a value;

determining a mapping table associated with the code page identified by the determined specification; and

using the determined mapping table to map the value to the target character string.

19. (New) The computer system of claim 9, wherein the first character encoding comprises a non-Unicode encoding and wherein the second character encoding comprises Unicode.

20. (New) The computer system of claim 9, wherein a global scope specifies that a code page applies to the entire computer program, wherein a local scope specifies that a code page applies to a subsequent portion of the computer program following a program statement specifying the local scope, and wherein a constant specific scope specifies that a code page applies to a specific constant, wherein the determined specification comprises the specification having the constant specific scope when specifications of a global or local scope and the constant specific scope are applicable to the processed source character string, and wherein the determined specification comprises the specification having the local scope when specifications of a global and local scopes are applicable to the processed source character string.

21. (New) The computer system of claim 9, wherein using the code page identified by the determined specification to translate the processed source character string into the target character string comprises:

using the code page identified by the determined specification to translate the processed source character string into a value;

determining a mapping table associated with the code page identified by the determined specification; and

using the determined mapping table to map the value to the target character string.